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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/433,654	11/03/1999	JASMIN AJANOVIC	042390.P6740	2822

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12/03/2003

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EXAMINER

STEVENS, ROBERTA A

ART UNIT	PAPER NUMBER
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2665

DATE MAILED: 12/03/2003

9

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/433,654

Applicant(s)

AJANOVIC ET AL.

Examiner

Roberta A Stevens

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 May 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10, 12-14, 16, 17 and 20-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10, 12-14, 16, 17 and 20-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-10, 12-14, are rejected under 35 U.S.C. 102(e) as being anticipated by Ellis (U. S. 6191713 B1).

3. Regarding claims 1 and 6-8, Ellis teaches (figures 1-4 and columns 3-5) an apparatus comprising a first component, a bus coupled with the first component to transmit packets of data; wherein the packets of data having special cycles embodying control information (asserting a signal); and a second component coupled with the bus, second component to receive the packets of data from the first component via the bus that changes the behavior of the second component.

4. Regarding claim 2, Ellis teaches (figures 1-4) the control information to control the performance of the first component and the second component.

5. Regarding claims 3-4 and 12-14, Ellis teaches (figures 1-4) the second component transmit the packets of data to a third component, couple to the second component to perform (asserting a signal and changing behavior) according to the control information.

6. Regarding claim 5, the third component to transmit the packets of data to a fourth component coupled with the third component.

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7. Regarding claim 9, Ellis teaches (columns 3-5) a method comprising receiving a signal at a first component; passing a packet of data having a first message from the first component via a bus coupled with the first component, the packets of data having special cycles embodying control information relevant to the signal; and receiving the first message at the second component via the bus.
8. Regarding claim 10, Ellis teaches (columns 3-5) the packets of data comprises a second message.
9. Claims 16-17 and 20-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Hsieh (U. S. 5969750).
10. Regarding claim 16, Hsieh teaches (figures 5-7) a method comprising: receiving a first signal in a first hub of a hub interface; passing a message in response to the first signal from the first hub via the hub interface, the message having control information; and receiving the message from the first hub at a second hub.
11. Regarding claim 17, Hsieh teaches (columns 5-9) controlling performance of the first hub and the second hub according to the control information.
12. Regarding claim 20, Hsieh teaches (columns 5-9) determining if the message is intended for the second hub; performing according to the message if the message is intended for the second hub; and transmitting the message to a third hub if the message is not for the second hub.
13. Regarding claim 21, Hsieh teaches (columns 5-9) receiving the message at the third hub through the hub interface..

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14. Regarding claim 22, Hsieh teaches (figure 5) a system comprising a first hub coupled with a first hub interface to receive a first signal; the first hub to transmit a message via the first hub interface, the message having control information corresponding to the first signal a second hub to receive the message from the first hub via the first hub interface, the second hub coupled with the first hub interface.

15. Regarding claim 23, Hsieh teaches (columns 5-9) second hub has means for acting on the message and operating responsive to the means for receiving the message, wherein the control information to control information of the first hub and the second hub.

16. Regarding claim 24, Hsieh teaches (figure 5) a third hub to receive the message from the second hub via a second hub interface coupled with the second hub and the third hub, the message having control information to control second and third hub.

17. Claims 25-32 are rejected under 35 U.S.C. 102(e) as being anticipated by Fuoco (U. S. 6594713 B1).

18. Regarding claim 25, Fuoco teaches (figures 10-11) a chipset comprising a memory control hub coupled with a processor and with a memory; a bus coupled with the memory control hub, the bus to transmit packets of data; and an input output hub coupled with the bus and with an input output device, the chipset to pass messages between the memory control hub and the input output hub by transmitting the packets of data on the bus via a hub interface, the messages including control information regarding signals receive from and to control the processor, the memory and the input output device.

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19. Regarding claim 26, Fuoco teaches (figure 10) a system comprising a processor; a processor bus coupled with the processor; a memory; a memory control hub coupled with the processor bus and with the memory; a bus coupled with the memory control hub, the bus transmits packets of data; an input output device; and an input output hub coupled with the bus and with the input output device, the input output hub to pass messages to the memory control hub by transmitting the packets of data on the bus via a hub interface, the messages having control information regarding signals received from and to control the processor, the memory, and the input-output device.

20. Regarding claims 27-28 and 30-31, Fuoco teaches (columns 7-9) the hub interface comprises a packet based split-transaction protocol.

21. Regarding claims 29 and 32, Fuoco teaches (columns 7-9) transmitting a request packet to start a transaction and transmitting a completion packet to terminate the transaction.

Conclusion

22. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

23. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

24. Any inquiry concerning the communication or earlier communications from the examiner should be directed to Roberta Stevens whose telephone number is (703) 308-6607. The examiner can normally be reached on Monday through Friday from 9:00 am to 5:30 p.m.

25. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor can be reached on (703) 308-6602.

26. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 305-3900.

27. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to: (703) 872-9306

For informal draft communications, please label "PROPOSED" or "DRAFT"

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal

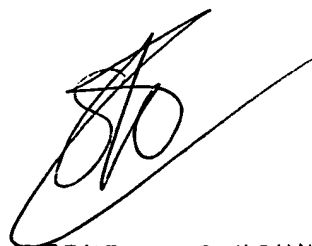
Drive,

Arlington, VA. Sixth Floor (Receptionist).

Roberta A. Stevens

Patent Examiner

11-25-03



STEVEN H. D NGUYEN
PRIMARY EXAMINER